

# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_ @P 523269

AGENCY REVIEW: \_\_\_\_\_ DATE 9/7/05

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 4705 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE UNKNOWN IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) MRS. WILLIAM A. SCHULTE

DAYTIME PHONE 410 443-367-0422 CELL \_\_\_\_\_ FAX 443-367-0420

MAILING ADDRESS 5300 TORSEY HALL DR. ELLICOTT CITY, MD 21042  
STREET CITY/TOWN STATE ZIP

APPLICANT LAND DESIGN & DEVELOPMENT LLC

DAYTIME PHONE 443-367-0422 CELL \_\_\_\_\_ FAX 443-367-0420

MAILING ADDRESS 5300 TORSEY HALL DR #102 ELLICOTT CITY, MD 21042  
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME SCHULTE PROPERTY NORTH SIDE LOT NO. 27

PROPERTY ADDRESS 15320 OLD FREDERICK RD WOODBINE MD 21797  
STREET AT MORGAN STATION ROAD TOWN/POST OFFICE

TAX MAP PAGE(S) 8 GRID 223 PARCEL(S) 8E17 PROPOSED LOT SIZE 40,000 sq ft

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT. \_\_\_\_\_  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P \_\_\_\_\_

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H

REMARKS \_\_\_\_\_

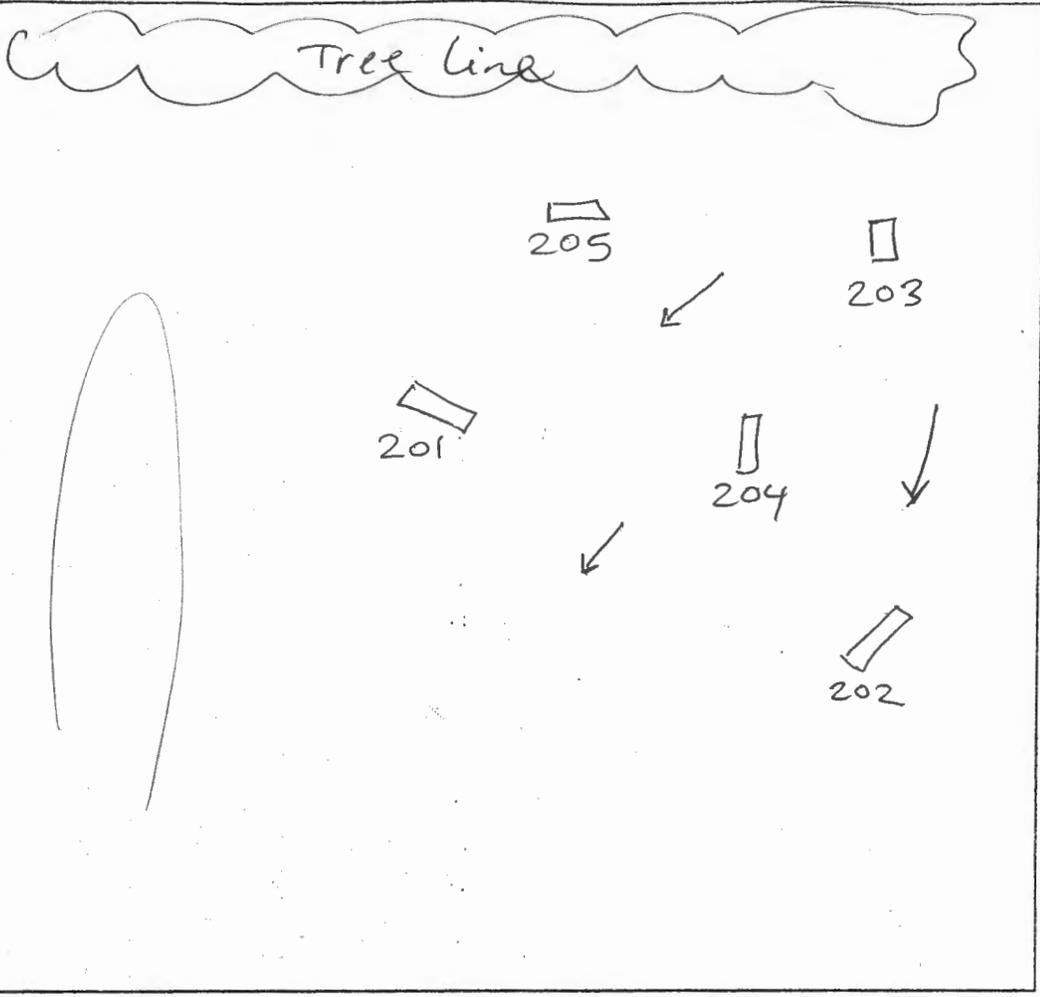
SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

old Fredrick Rd

lot 26



203  
brown L  
sbk  
pale brown  
dense sil  
sg  
5% chert  
micaceous  
e bottom  
chert  
10% coarse  
chert

204  
brown L  
sbk  
pale brown  
w/ light  
& red  
dense sil  
micaceous  
2' pale brown  
sil sg  
micaceous  
5-10% chert  
@ bottom  
coarse chert

202  
brown L  
sbk  
brown  
dense sil  
bk/sg  
light red  
sil sg  
brown  
sil sg  
micaceous  
5% chert  
↓  
10% coarse  
chert

A/P  
lot 26

201  
brown L  
brown  
sbk  
sil ↓  
dense sil  
micaceous  
15"  
brown  
sil sg  
micaceous  
10-15%  
chert throughout  
profile  
9'  
@ bottom  
10% coarse  
chert

205  
brown L  
reddish  
yellow  
sil ↓  
dense sil  
sbk  
5% chert  
3'10"  
pale brown  
sil sg  
micaceous  
10% chert  
coarse  
chert  
12'5"

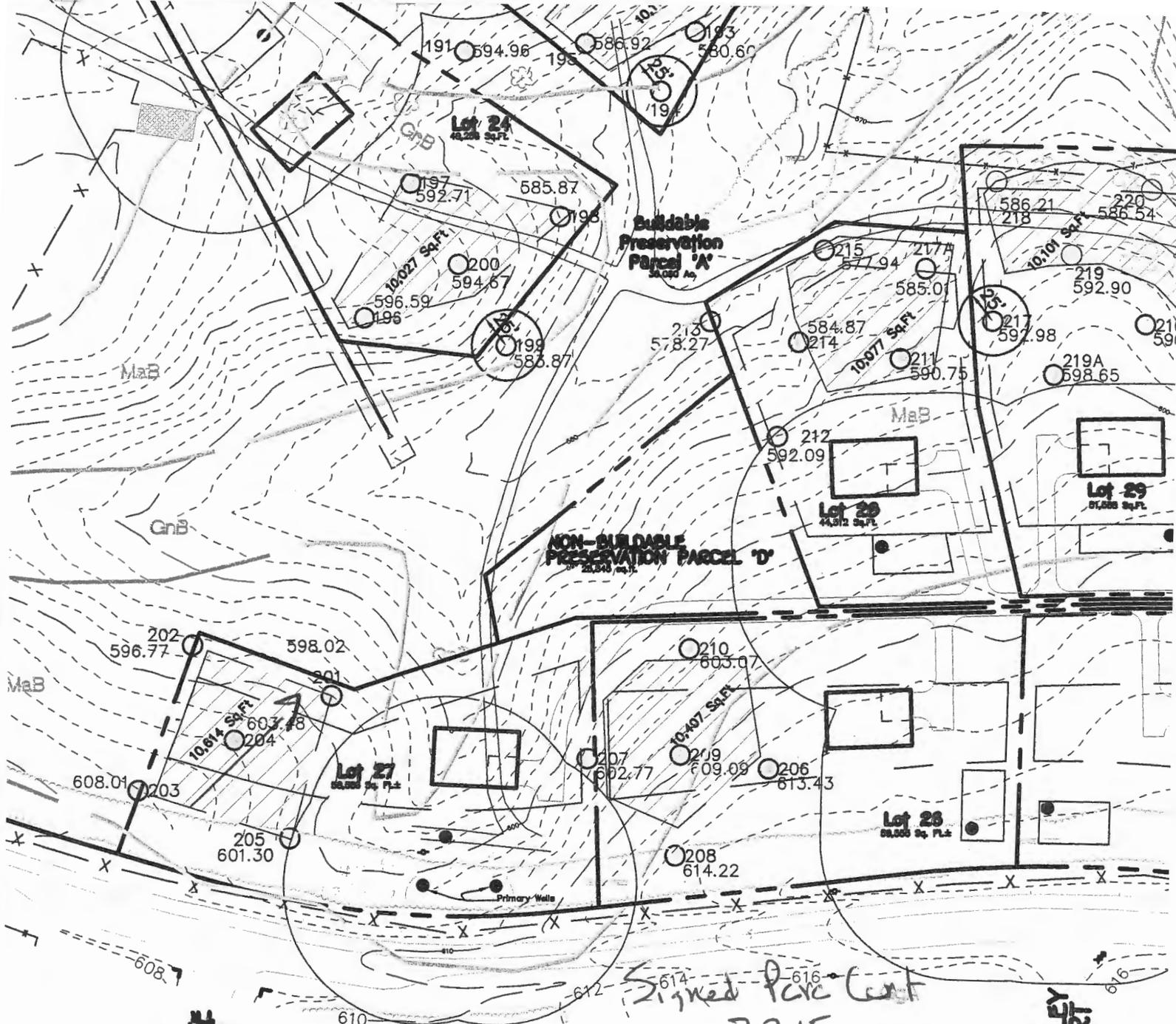
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
11/17/05	201	5' / 9'	9:36 <sup>30</sup>	9:38 <sup>18</sup>	9:41 <sup>58</sup>	3	P
	205	5' / 12'5"	9:50 <sup>07</sup>	9:55	10:04 <sup>34</sup>	9	P
	203	5' / 11'	9:52 <sup>35</sup>	9:56	10:03 <sup>13</sup>	7	P
	204	10'		visual		ok	P
	202	11'5"		visual		ok	P

REMARKS Holes dug per plan and staked by surveyors

SANITARIAN SF BACKHOE M. Johnson (AEC) OTHERS R. Webster

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME 6 SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_



**ADGATE COURT**

**CARTLEY COURT**

**OLD FREDERICK ROAD**  
(MAJOR COLLECTOR)

**OWNER AND DEVELOPER**  
MR. AND MRS. WILLIAM SCHULTE  
15320 OLD FREDERICK ROAD  
WOODBINE, MARYLAND 21797

based on field locations done under my  
my professional knowledge and belief.

*[Signature]*

Date 6/26/15

Co. 10692 Exp. 12/13/15

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE  
HOWARD COUNTY HEALTH DEPARTMENT.

*[Signature]*  
COUNTY HEALTH OFFICER

March 1, 2019

Mr. Jeff Williams  
Howard County Health Department  
Bureau of Environmental Health  
8930 Stanford Blvd  
Columbia, Maryland 21045

Re: Fairlane Farms: Lot 27  
Waiver Request

Dear Mr. Williams,

We are requesting a variance for Lot 27, in regards to the front yard slope between the house and the septic tanks to be greater than 25%. 5 risers are now shown at the front porch to lower the grade as much as possible. Since the house drainage is being collected into a roof leader piping system (and being conveyed to the proposed SWM bioretention facility in the open space adjacent to the lot), the amount of surface drainage flowing overland in the area between the house and the proposed septic tank locations is very minimal (about 1120 sq. ft.). Therefore any concern with erosion would be minimized. We request this variance from the 25% slope that is desired by the Health Dept. be acceptable so that a retaining wall can be avoided or an inordinate amount of steps at the front porch.

Thank you for your consideration of this request.

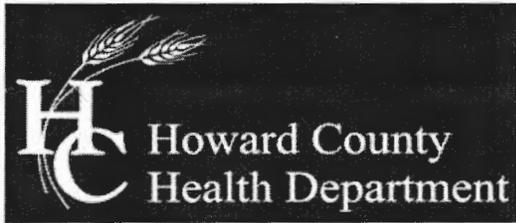
Sincerely,

*approved*  
*5/21/19*

DocuSigned by:  
*Joseph S. Choi* 3/13/2019  
4228301D0068441...

Homebuyer of Lot 27 (15215 Torino Way)

WO #05106-3003



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: \_\_\_\_\_

Subdivision: Fairlane Farm Lot: 27

Initial system: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 7  
 1<sup>st</sup> Replacement: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 6  
 2<sup>nd</sup> Replacement: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 5

Design Flow = 150 gallons per day per bedroom

Design flow + application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage + trench width

Sidewall reduction credit formula:

$$\frac{W + 2}{W + 1 + 2D} \times 100 = \text{Percent of length of standard trench where } W = \text{trench width and } D = \text{depth between effective area beginning depth and trench bottom.}$$

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D + W up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements:

Approved: Hank Oswald Date: 2/2/17

**FISHER, COLLINS  
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS  
and LAND SURVEYORS**

# Transmittal

Terrell A. Fisher, P.E., L.S.  
Earl D. Collins, P.E.  
Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.  
Mark L. Robel, P.L.S.  
Aldo M. Vitucci, P.E.

Frank Manalansan II, L.S.  
Stephanie Tuite, RLA, P.E., LEED AP BD&C

Via:  Fax  Mail  Messenger  E-Mail  To Be Picked Up  
 Fax (original to follow via U.S. Mail)

To: <b>Bureau of Environmental Health</b> <b>8930 Stanford Blvd</b> <b>Columbia, MD 21046-4544</b>	Attn: <b>Jeff</b> Fax: <b>(410) 313-2648</b> Phone: <b>(410) 313-2640</b>
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From: <b>Tony Fertitta</b>	CC:
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Re: <b>Lot 27</b>	W.O.# <b>05106</b>
Date: <b>February 9, 2017</b>	Pages: <b>4</b> Page(s) Including this cover

We are forwarding:	<input checked="" type="checkbox"/> Prints	<input type="checkbox"/> Copy of Letter	<input type="checkbox"/> Specifications	<input type="checkbox"/> Shop drawings	<input type="checkbox"/> Other
	<input type="checkbox"/> Urgent	<input type="checkbox"/> For your use	<input type="checkbox"/> As requested	<input type="checkbox"/> For Review & Comment	

Remarks:

**Jeff:**

**Enclosed please find Two (2) prints of the drawing entitled " Percolation Certification Plan- Schulte Property Lot 27 Along with new well exhibits" dated February 8, 2017.**

**If we may be of any further assistance, please do not hesitate to call.**

**Very truly yours,**



**CONFIDENTIALITY NOTICE**

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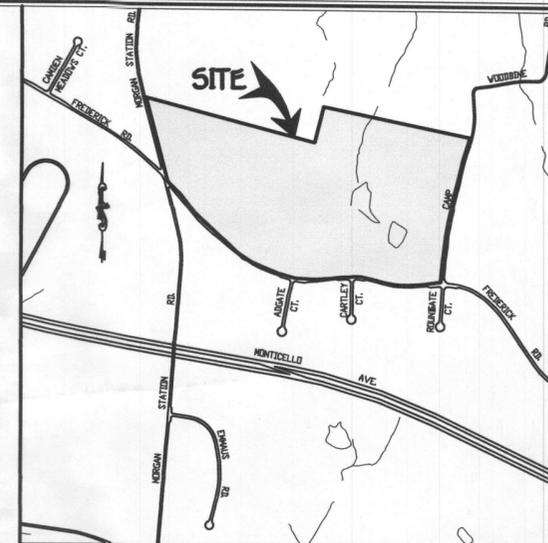
**LEGEND**

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- MIC3 SOIL LINES AND TYPES
- MIB2
- DENOTES PASSED PERC
- DENOTES PROPOSED HOUSE
- DENOTES 25% AND GREATER SLOPE
- DENOTES 1500 SQ.FT. ALTERNATE WELL SITE
- ⊙ DENOTES PROPOSED 3 ALT WELL SITE

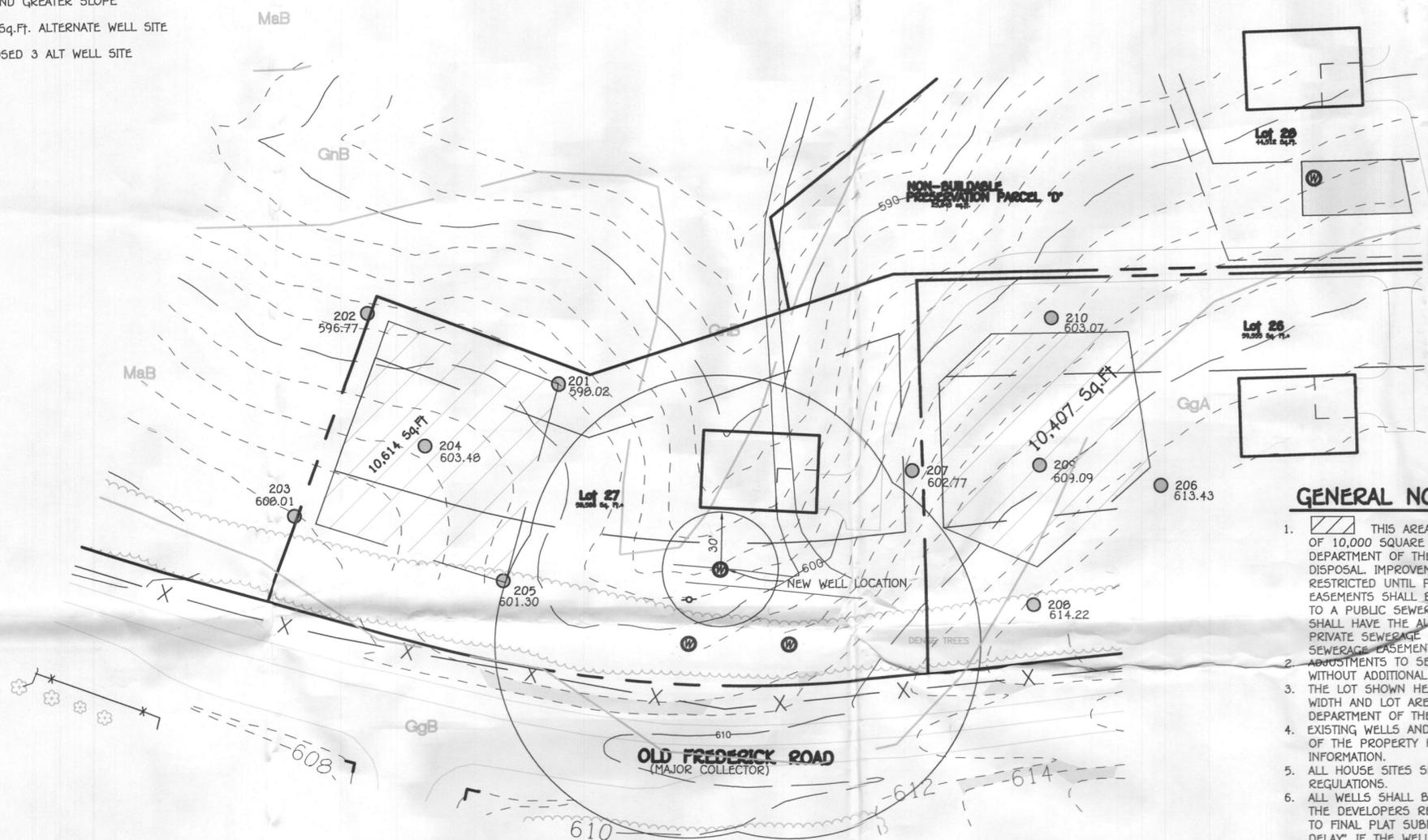
**SOILS LEGEND**

SOIL	NAME	CLASS
GgB	Glenelg loam, 3 to 8 percent slopes	B
GnB	Glenville-Baile silt loams, 0 to 8 percent slopes	C
MaB	Manor loam, 3 to 8 percent slopes	B

SOIL TYPES TAKEN FROM MAP 19 OF THE SOIL SURVEY OF HOWARD COUNTY, MARYLAND FOUND ON THE HSCD WEBSITE.



**VICINITY MAP**  
SCALE: 1" = 1200'



**GENERAL NOTES:**

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
7. TOPOGRAPHY SHOWN IS FROM HARFORD AERIAL CONTOUR MAPPING FLOWN ON JANUARY, 2006 WITH FIELD SURVEYED VERIFICATION ON VERTICAL ELEVATIONS ON PERC TEST LOCATIONS.
8. BOUNDARY IS BASED ON FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT APRIL 4, 2013 BY FISHER, COLLINS AND CARTER, INC.
9. DEED REFERENCE LIBER 385 FOLIO 193 AND LIBER 352 FOLIO 176.
10. GROUND WATER APPROPRIATION PERMIT SHALL BE OBTAINED PRIOR TO HEALTH APPROVAL OF WELL PERMITS.



**PERC CERTIFICATION**  
I certify that the locations shown hereon are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

*Terrell A. Fisher*  
Signature of Professional Land Surveyor  
Terrell A. Fisher, Professional Land Surveyor No. 10692 Expires 12/13/17

2/8/17  
DATE

THE PURPOSE OF THIS PLAN IS TO MOVE 1 ALT. WELL SITE 5'.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.

*William for Mauna Roseman*  
COUNTY HEALTH OFFICER

2/22/2017  
DATE

**OWNER AND DEVELOPER**  
MR. AND MRS. WILLIAM SCHULTE  
15320 OLD FREDERICK ROAD  
WOODBINE, MARYLAND 21797

**PERC RECERTIFICATION PLAT  
SCHULTE PROPERTY  
LOT 27**

TAX MAP #8 PARCELS: 8 & 17 GRIDS: 2 AND 3  
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1" = 50' ZONING: RC-DEO DATE: FEBRUARY 8, 2017 A#523269

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MARYLAND 21042  
(410) 461 - 2255

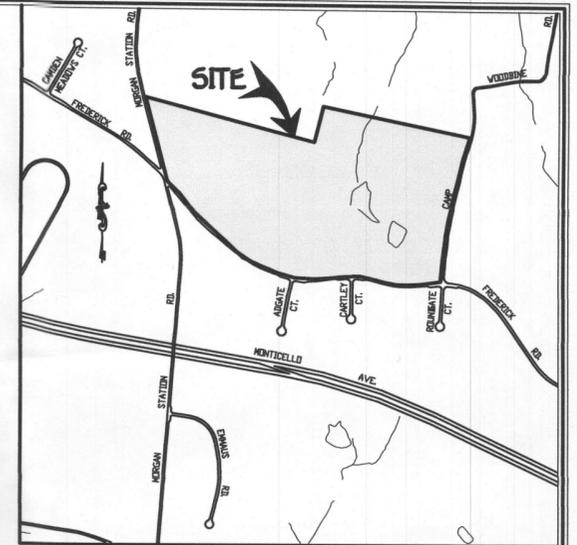
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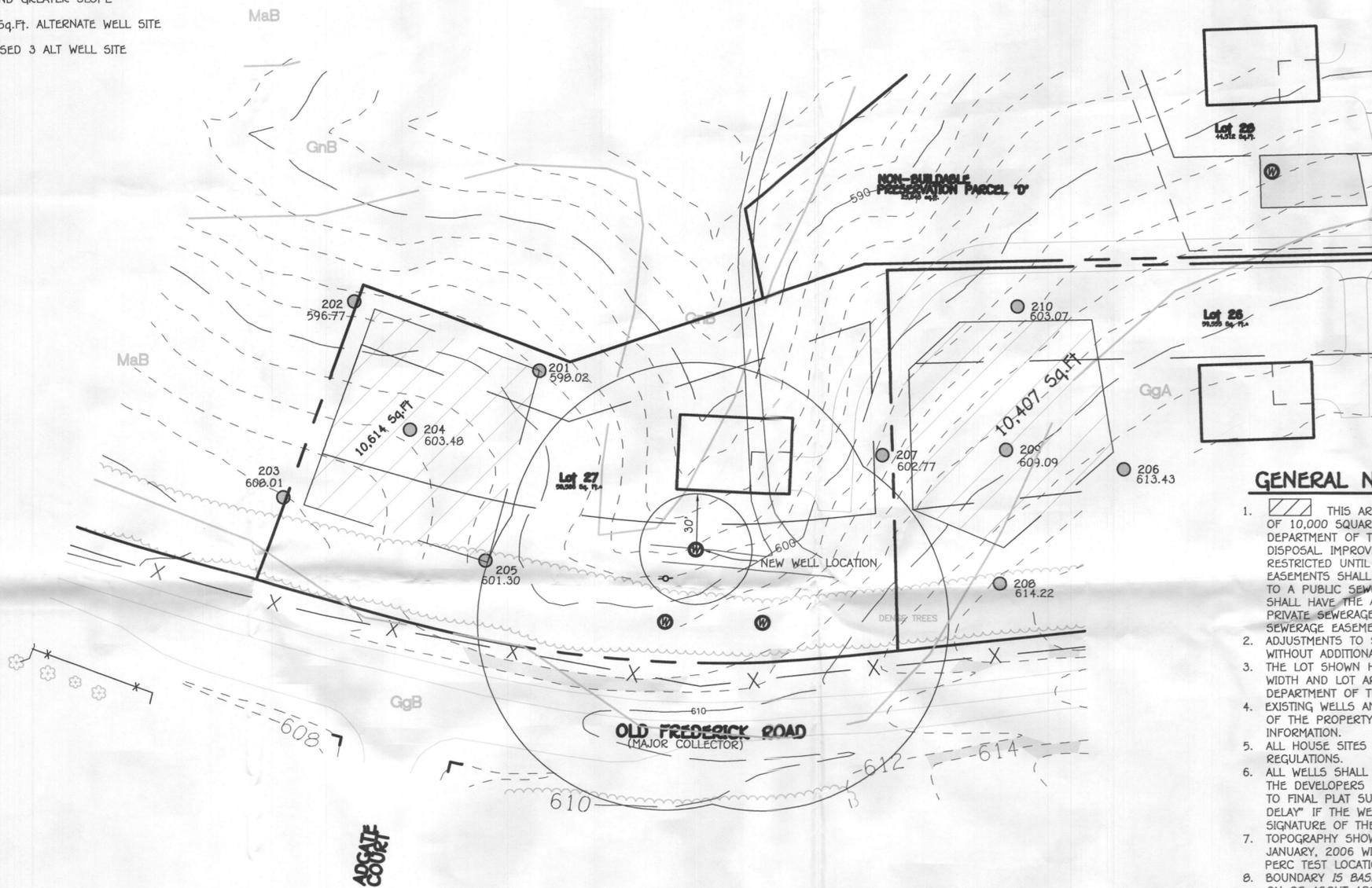
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*Barbara Roseman*  
Barbara Roseman  
COUNTY HEALTH OFFICER

2/22/2017 DATE

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